

## YEAR 3 Maths 'at a glance'

<b>Number: Number &amp; Place Value</b>	<b>Number: Addition &amp; Subtraction</b>	<b>Number: Multiplication &amp; Division</b>
<ul style="list-style-type: none"> <li>count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.</li> <li>recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</li> <li>compare and order numbers up to 1000</li> <li>identify, represent and estimate numbers using different representations</li> <li>read and write numbers up to 1000 in numerals and in words</li> <li>solve number problems and practical problems involving these ideas.</li> </ul>	<p>Add and subtract numbers mentally, including:</p> <ul style="list-style-type: none"> <li>a three digit number and ones</li> <li>a three-digit number and tens</li> <li>a three-digit number and hundreds</li> <li>add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</li> <li>estimate the answer to a calculation and use inverse operations to check answers</li> <li>solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction</li> </ul>	<ul style="list-style-type: none"> <li>recall and use multiplication and division facts for the 3, 4, and 8 multiplication tables</li> <li>write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two digit numbers times one-digit numbers using mental and progressing to formal written methods</li> <li>solve problem, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>
<b>Number: Fractions</b>		
<ul style="list-style-type: none"> <li>count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</li> <li>recognise, find and write fractions of a discrete set of objects: unit fractions and no-unit fractions with small denominators</li> <li>recognise and use fractions as numbers: unit fractions and no-unit fractions with small denominators</li> <li>recognise and show, using diagrams, equivalent fractions with small denominators</li> <li>add and subtract fractions with the same denominator within one whole (e.g. <math>5/7 + 1/7 = 6/7</math>)</li> <li>compare and order unit fractions and fractions with the same denominator</li> <li>solve problems that involve all of the above.</li> </ul>		<b>Geometry: Properties of Shapes</b>
		<ul style="list-style-type: none"> <li>draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them</li> <li>recognise angles as a property of shape or a description of turn</li> <li>identify right angles, recognise that two right angles make a half turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle</li> <li>identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> </ul>
<b>Measurement</b>		
<ul style="list-style-type: none"> <li>measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/ capacity (l/ml)</li> <li>measure the perimeter of simple 2D shapes</li> </ul>		<b>Geometry: Position &amp; Direction</b>
		<ul style="list-style-type: none"> <li></li> </ul>

<ul style="list-style-type: none"> <li>• add and subtract amounts of money to give change, using both £ and p in practical contexts</li> <li>• tell and write the time from an analogue clock, including Roman numerals from I to XII, and 12 hour and 24 hour clocks</li> <li>• estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./ p.m., morning, afternoon, noon and midnight</li> <li>• know the number of seconds in a minute and the number of days in each month, year and leap year</li> <li>• compare durations of events (e.g. to calculate the time take by particular events or tasks)</li> </ul>	<p style="text-align: center;"><b><i>Statistics</i></b></p> <ul style="list-style-type: none"> <li>• interpret and present data using bar charts, pictograms and tables</li> <li>• solve one-step and two-step questions (e.g. How many more? and how many fewer?)</li> <li>• using information presented in scaled bar charts and pictograms and tables.</li> </ul>
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